

FIGURE 1

cca gcc cta cca gaa gat ggg ggg tcc ggg gcc ttc cca cca ggg cac Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His	48
1 5 10 15	
 ttc aaa gat cca aaa cga cta tat tgt aaa aac ggg ggg ttc ttc cta Phe Lys Asp Pro Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu	96
20 25 30	
 cga atc cac cca gat ggg cga gta gat ggg gta cga gaa aaa tcc gat Arg Ile His Pro Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp	144
35 40 45	
 cca cac atc aaa cta caa cta caa gcc gaa gaa cga ggg gta gta tcc Pro His Ile Lys Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser	192
50 55 60	
 atc aaa ggg gta tgt gcc aac cga tat cta gcc atg aaa gaa gat ggg Ile Lys Gly Val Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly	240
65 70 75 80	
 cga cta cta gcc tcc aaa tgt gta acc gat gaa tgt ttc ttc ttc gaa Arg Leu Leu Ala Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Glu	288
85 90 95	
 cga cta gaa tcc aac aac tat aac acc tat cga tcc cga aaa tat tcc Arg Leu Glu Ser Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Ser	336
100 105 110	
 tcc tgg tat gta gcc cta aaa cga acc ggg caa tat aaa cta ggg cca Ser Trp Tyr Val Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Pro	384
115 120 125	
 aaa acc ggg cca ggg caa aaa gcc atc cta ttc cta cca atg tcc gcc Lys Thr Gly Pro Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala	432
130 135 140	
 aaa tcc taa Lys Ser *	441
145	

FIGURE 2

Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His
1 5 10 15
Phe Lys Asp Pro Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu
20 25 30
Arg Ile His Pro Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp
35 40 45
Pro His Ile Lys Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser
50 55 60
Ile Lys Gly Val Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly
65 70 75 80
Arg Leu Leu Ala Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Glu
85 90 95
Arg Leu Glu Ser Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Ser
100 105 110
Ser Trp Tyr Val Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Pro
115 120 125
Lys Thr Gly Pro Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala
130 135 140
Lys Ser
145

FIGURE 3

ccc gcc ttg ccc gag gat ggc ggc agc ggc gcc ttc ccg ccc ggc cac Pro Ala Leu Pro Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His	48
1 5 10 15	
 ttc aag gac ccc aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg Phe Lys Asp Pro Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu	96
20 25 30	
 cgc atc cac ccc gac ggc cga gtt gac ggg gtc cg ^g gag aag agc gac Arg Ile His Pro Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp	144
35 40 45	
 cct cac atc aag cta caa ctt caa gca gaa gag aga gga gtt gtg tct Pro His Ile Lys Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser	192
50 55 60	
 atc aaa gga gtg tgt gct aac cgt tac ctg gct atg aag gaa gat gga Ile Lys Gly Val Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly	240
65 70 75 80	
 aga tta ctg gct tct aaa tgt gtt acg gat gag tgt ttc ttt ttt gaa Arg Leu Leu Ala Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Glu	288
85 90 95	
 cga ttg gaa tct aat aac tac aat act tac cgg tca agg aaa tac acc Arg Leu Glu Ser Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr	336
100 105 110	
 agt tgg tat gtg gca ctg aaa cga act ggg cag tat aaa ctt gga tcc Ser Trp Tyr Val Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser	384
115 120 125	
 aaa aca gga cct ggg cag aaa gct ata ctt ttt ctt cca atg tct gct Lys Thr Gly Pro Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala	432
130 135 140	
 aag agc tga Lys Ser * 145	441

FIGURE 4

atg gca gcc ggg agc atc acc acg ctg cca gcc cta cca gaa gat ggg Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro Glu Asp Gly	48
1 5 10 15	
ggg tcc ggg gcc ttc cca cca ggg cac ttc aaa gat cca aaa cga cta Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro Lys Arg Leu	96
20 25 30	
tat tgt aaa aac ggg ggg ttc ttc cta cga atc cac cca gat ggg cga Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro Asp Gly Arg	144
35 40 45	
gta gat ggg gta cga gaa aaa tcc gat cca cac atc aaa cta caa cta Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys Leu Gln Leu	192
50 55 60	
caa gcc gaa gaa cga ggg gta tcc atc aaa ggg gta tgt gcc aac Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val Cys Ala Asn	240
65 70 75 80	
cga tat cta gcc atg aaa gaa gat ggg cga cta cta gcc tcc aaa tgt Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala Ser Lys Cys	288
85 90 95	
gta acc gat gaa tgt ttc ttc gaa cga cta gaa tcc aac aac tat Val Thr Asp Glu Cys Phe Phe Glu Arg Leu Glu Ser Asn Asn Tyr	336
100 105 110	
aac acc tat cga tcc cga aaa tat tcc tcc tgg tat gta gcc cta aaa Asn Thr Tyr Arg Ser Arg Lys Tyr Ser Ser Trp Tyr Val Ala Leu Lys	384
115 120 125	
cga acc ggg caa tat aaa cta ggg cca aaa acc ggg cca ggg caa aaa Arg Thr Gly Gln Tyr Lys Leu Gly Pro Lys Thr Gly Pro Gly Gln Lys	432
130 135 140	
gcc atc cta ttc cta cca atg tcc gcc aaa tcc taa Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser *	468
145 150 155	

FIGURE 5

atg gca gcc ggg agc atc acc acg ctg ccc gcc ttg ccc gag gat ggc Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro Glu Asp Gly	48
1 5 10 15	
ggc agc ggc gcc ttc ccg ccc ggc cac ttc aag gac ccc aag cg ^g ctg Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro Lys Arg Leu	96
20 25 30	
tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc gac ggc cga Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro Asp Gly Arg	144
35 40 45	
gtt gac ggg gtc cg ^g gag aag agc gac cct cac atc aag cta caa ctt Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys Leu Gln Leu	192
50 55 60	
caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg tgt gct aac Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val Cys Ala Asn	240
65 70 75 80	
cgt tac ctg gct atg aag gaa gat gga aga tta ctg gct tct aaa tgt Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala Ser Lys Cys	288
85 90 95	
gtt acg gat gag tgt ttc ttt ttt gaa cga ttg gaa tct aat aac tac Val Thr Asp Glu Cys Phe Phe Glu Arg Leu Glu Ser Asn Asn Tyr	336
100 105 110	
aat act tac cg ^g tca agg aaa tac acc agt tgg tat gtg gca ctg aaa Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val Ala Leu Lys	384
115 120 125	
cga act ggg cag tat aaa ctt gga tcc aaa aca gga cct ggg cag aaa Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro Gly Gln Lys	432
130 135 140	
gct ata ctt ttt ctt cca atg tct gct aag agc tga ttttaa Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser *	474
145 150 155	

Primary Endpoint:

Relative Change in PWT at 90 days

1^o Analysis: overall $p = .075$ (ANOVA)

2^o Analysis: overall $p = .035$ (ANOVA of Ranks)

$p = .026$ $p = .45$

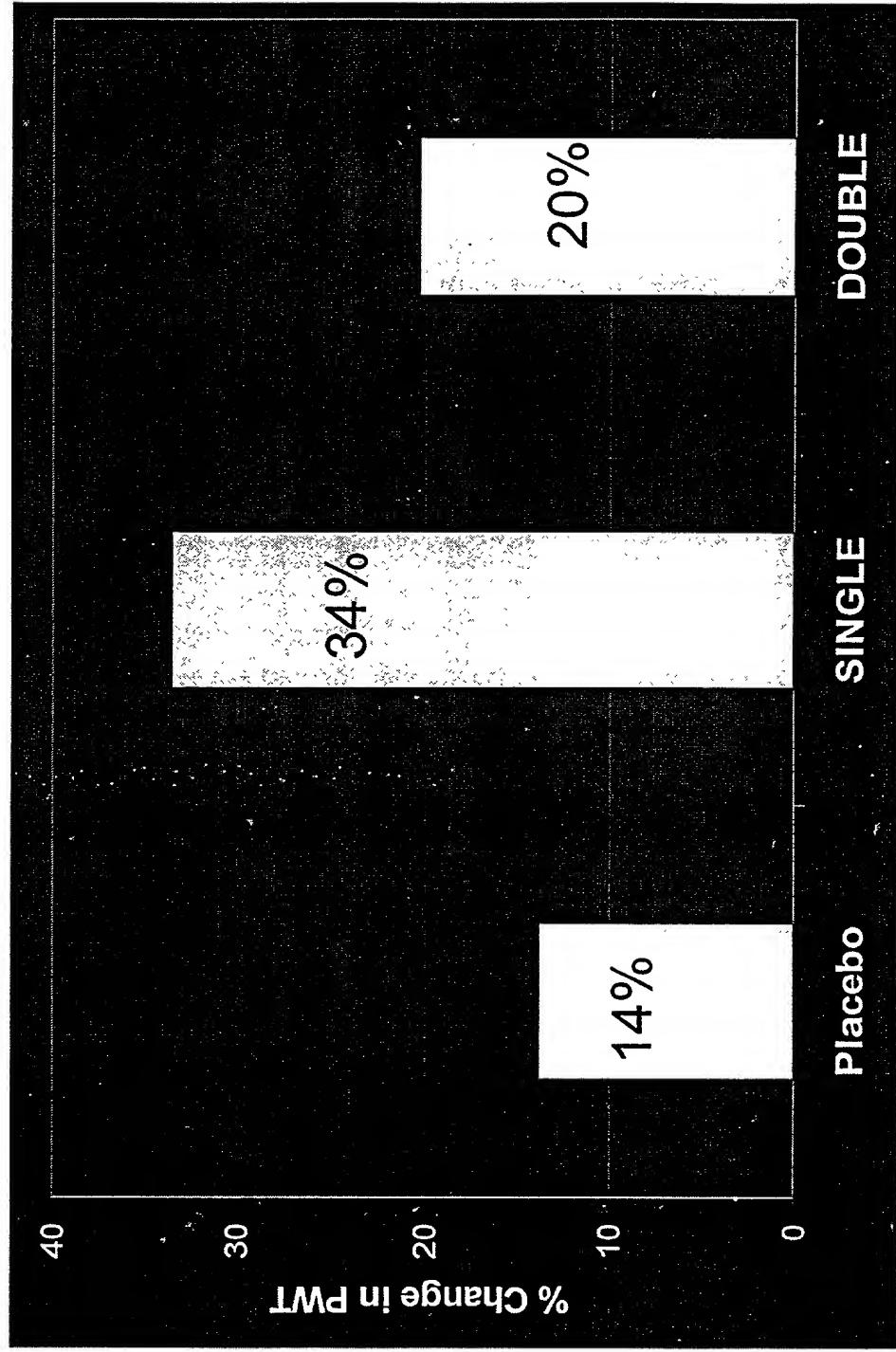


FIGURE 6

Absolute Change in PWT

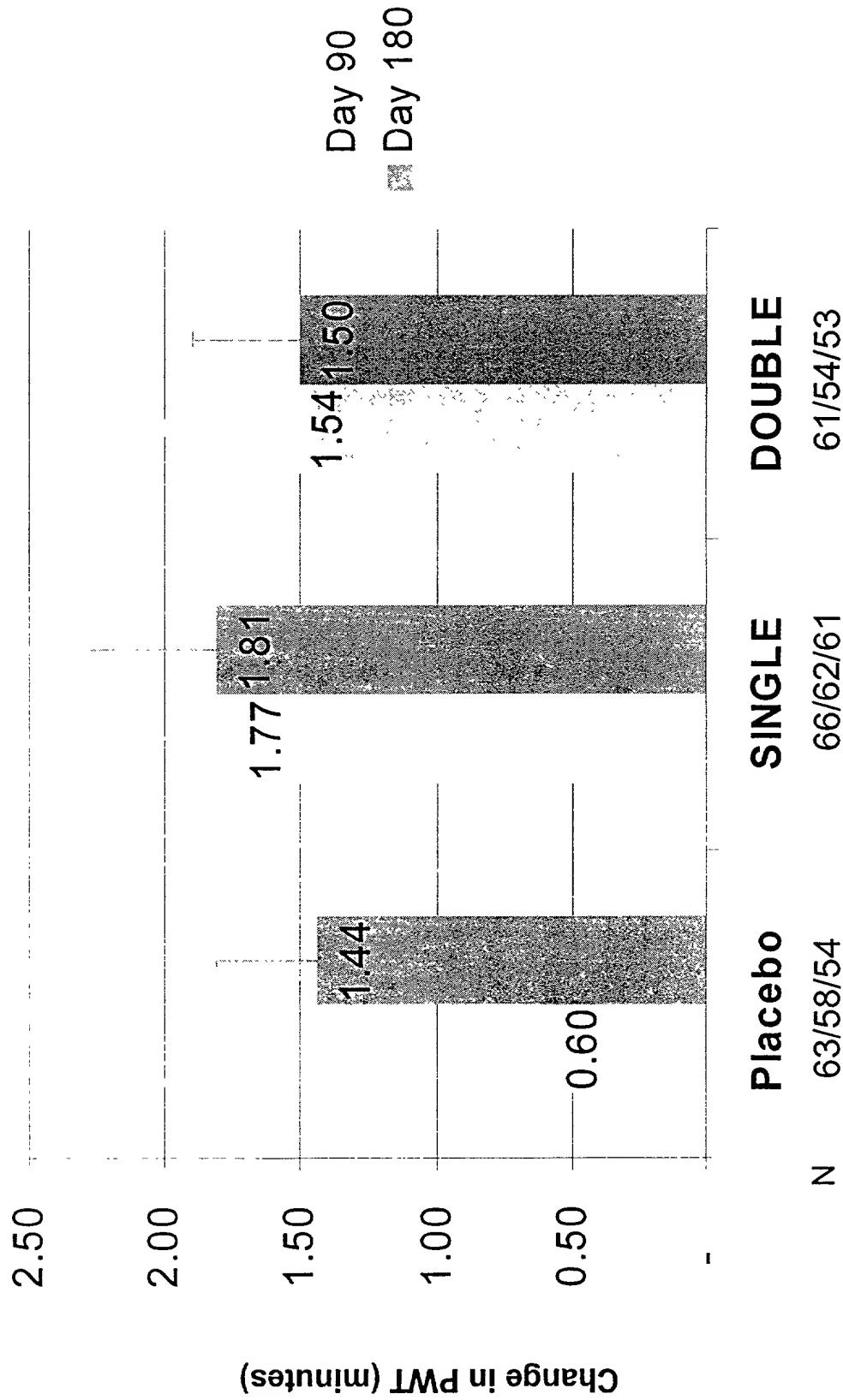
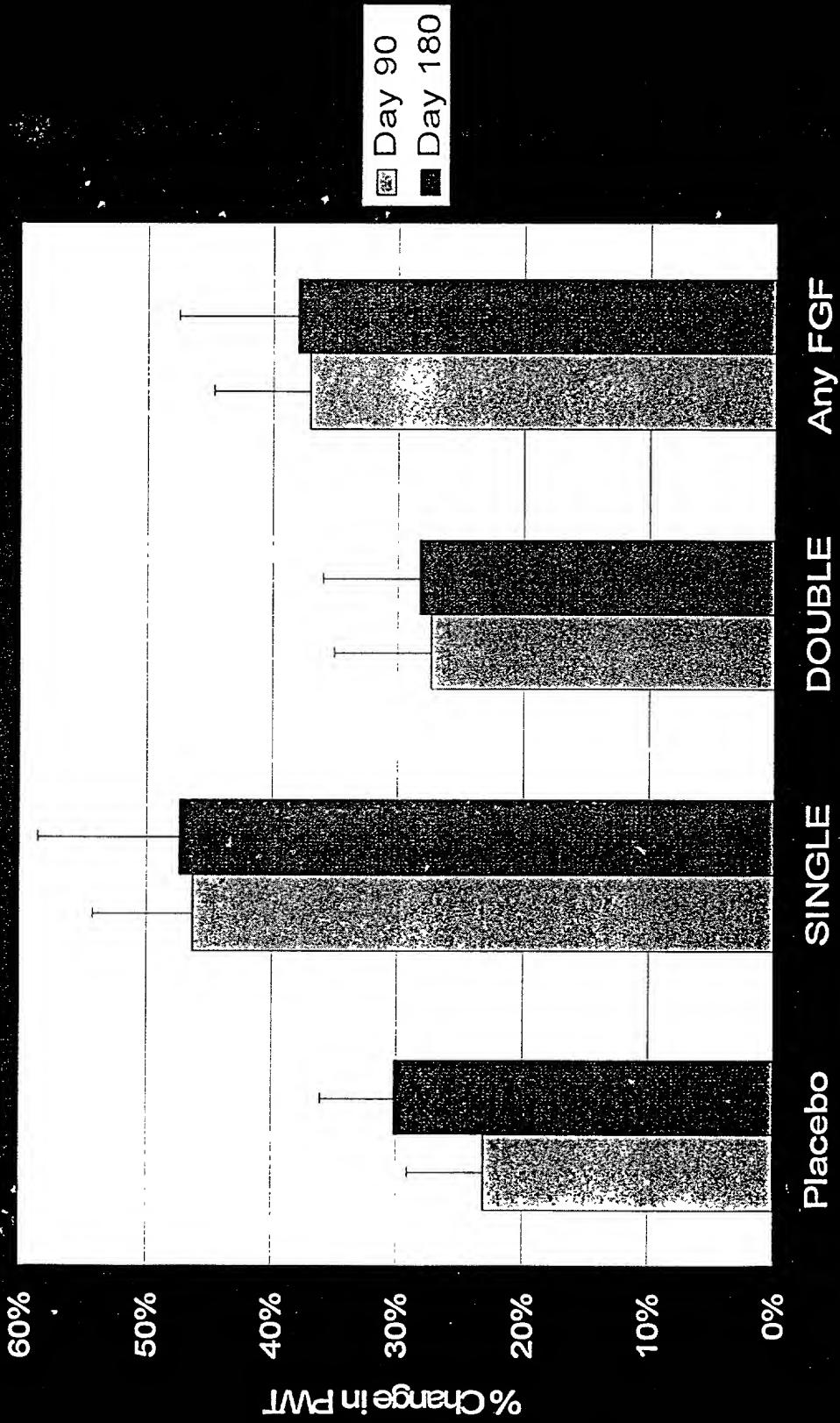


FIGURE 7

FIGURE 8

% Absolute Change in PWT



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Ankle Brachial Index at days 1, 90, 180

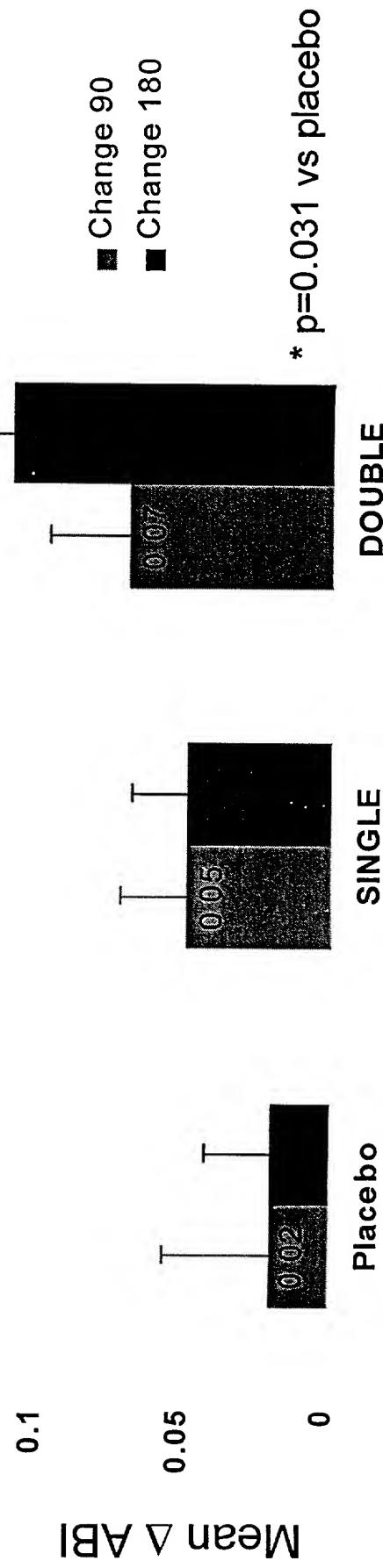
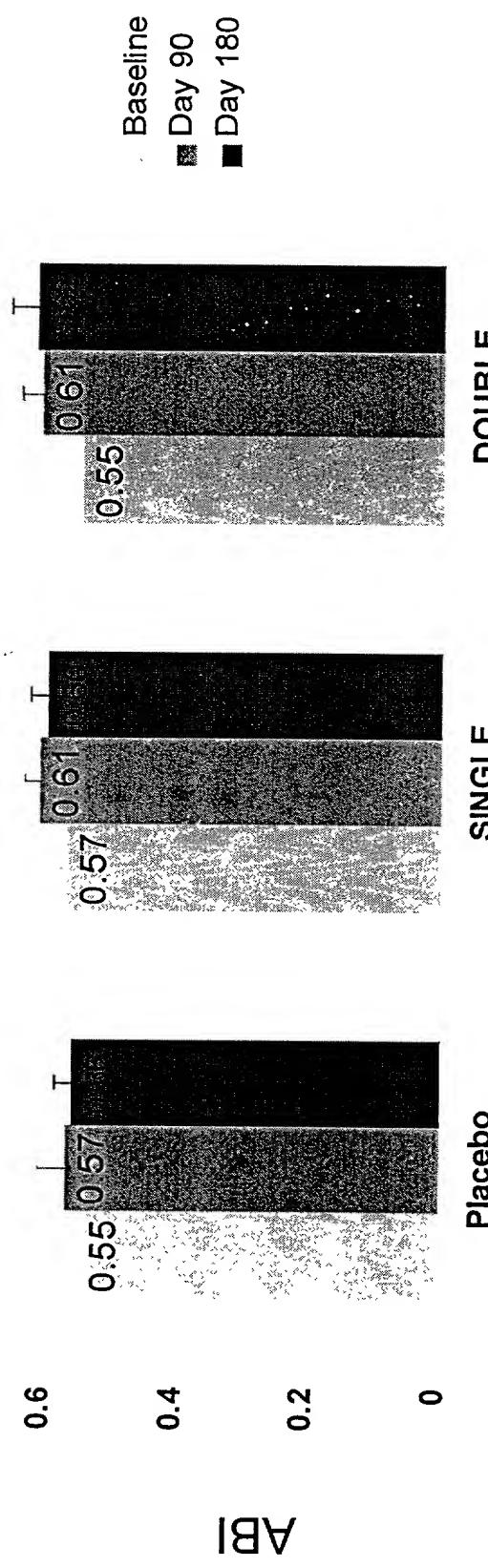


FIGURE 9

WIQ: Severity of Claudication

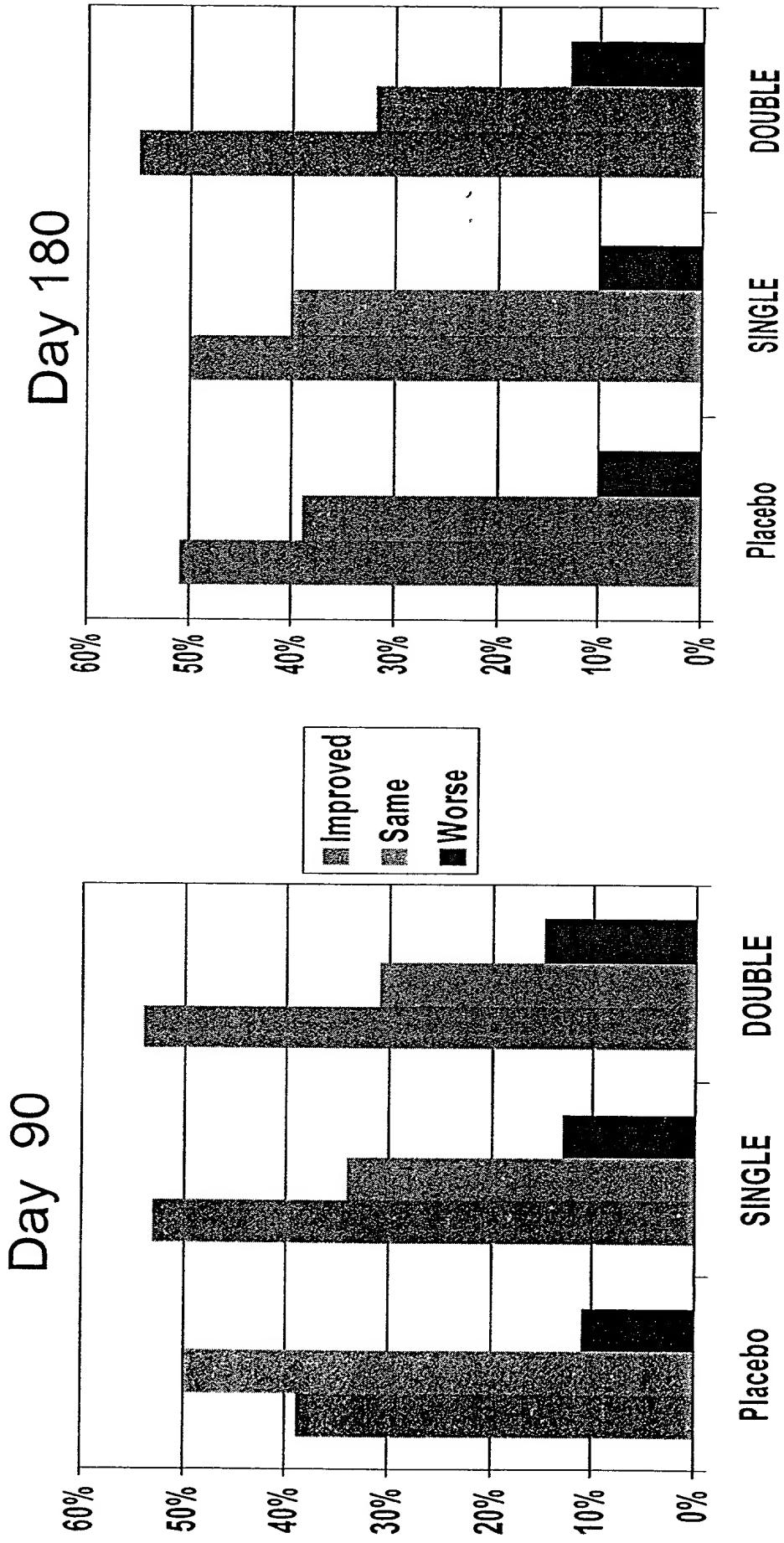


FIGURE 10

Walking Impairment Questionnaire

Severity Scores (%)

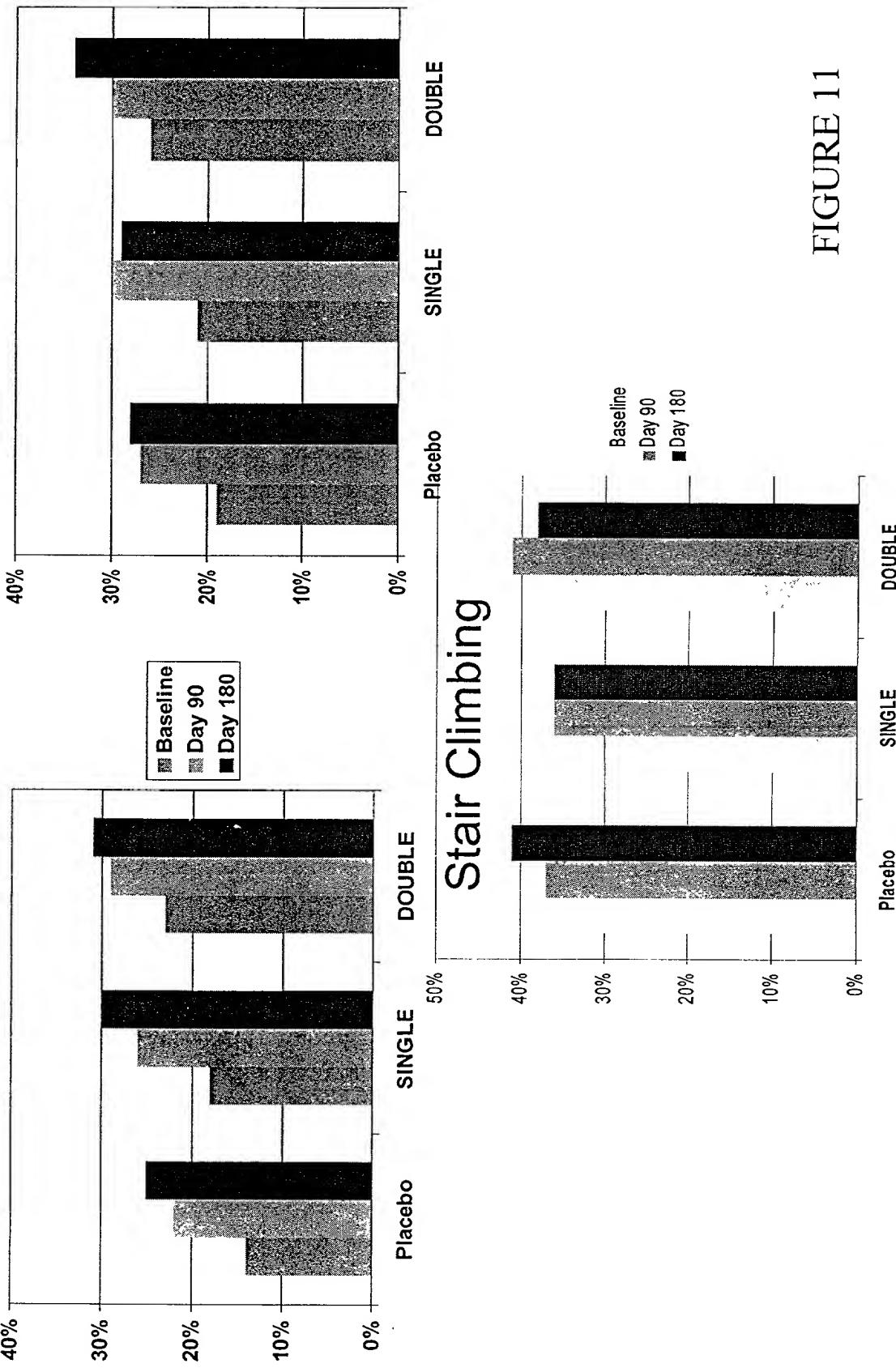
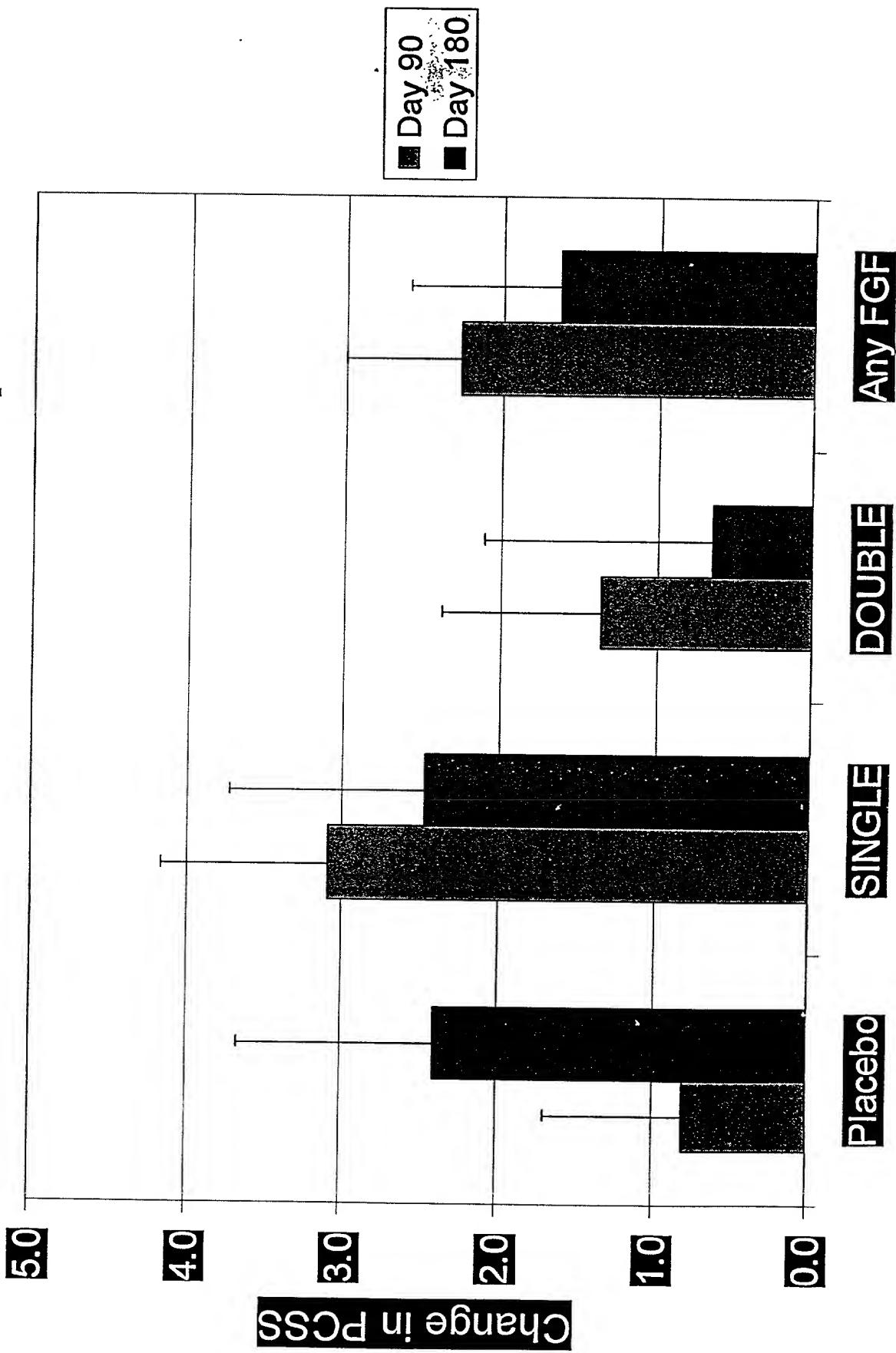


FIGURE 11

SF-36: Physical Component

FIGURE 12



All PAD: Summary of Results

FIGURE 13
Paired sample t-test results for all PAD patients

VARIABLE	Day 90	Day 180
PVVT – primary overall	++	++/-
PVVT: pairwise/geometric	+++/+	++/-
Claudication Onset Time	+/+	-/-
Ankle Brachial Index	+//	+//
WIQ: claudication	+//	-/+
WIQ: distance	0/-	+/-
WIQ: speed	+/-	+/0
WIQ: stairs	++/+	+/-
SF-36: Physical Score	++/+	+/-
SF-36: Mental Score	+/-	+/-

++ = p < .05; ++ = p < .15; +, 0, - = directional change relative to placebo

SINGLE / DOUBLE

FIGURE 14

Ankle Brachial Index at Days 1, 90, 180 Excluding ABI > 1.2 at any time (post-hoc)

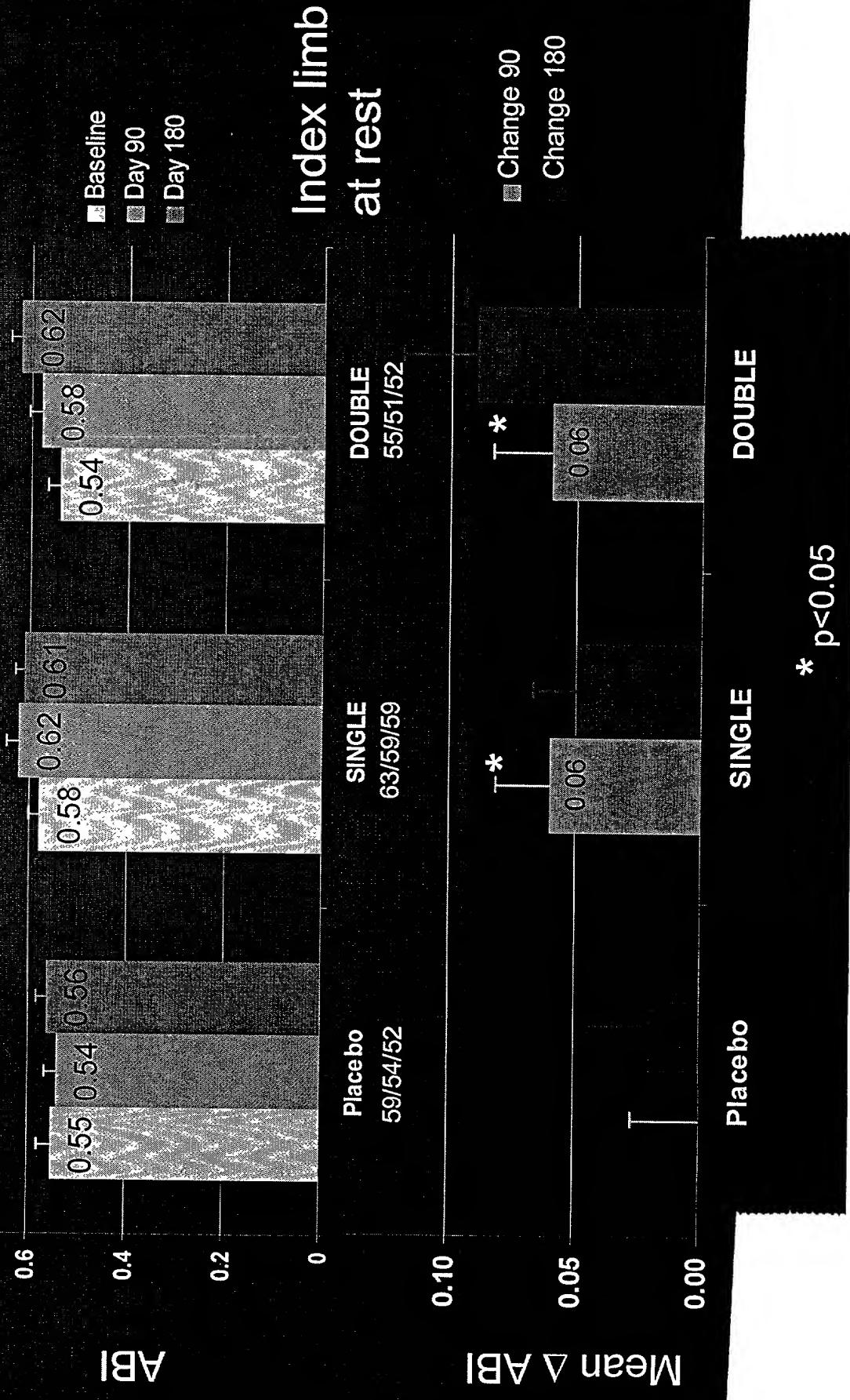


FIGURE 15

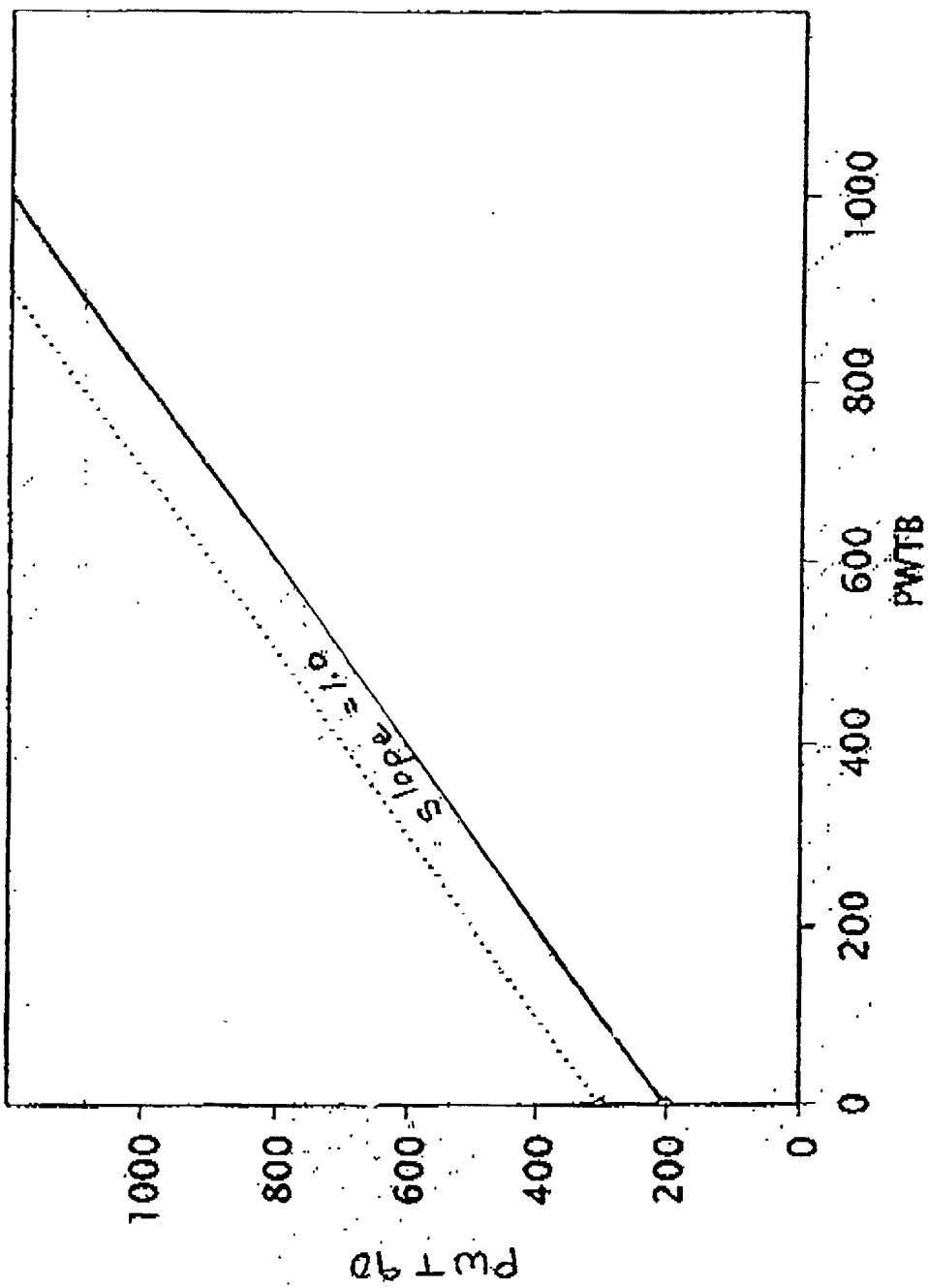


FIGURE 16

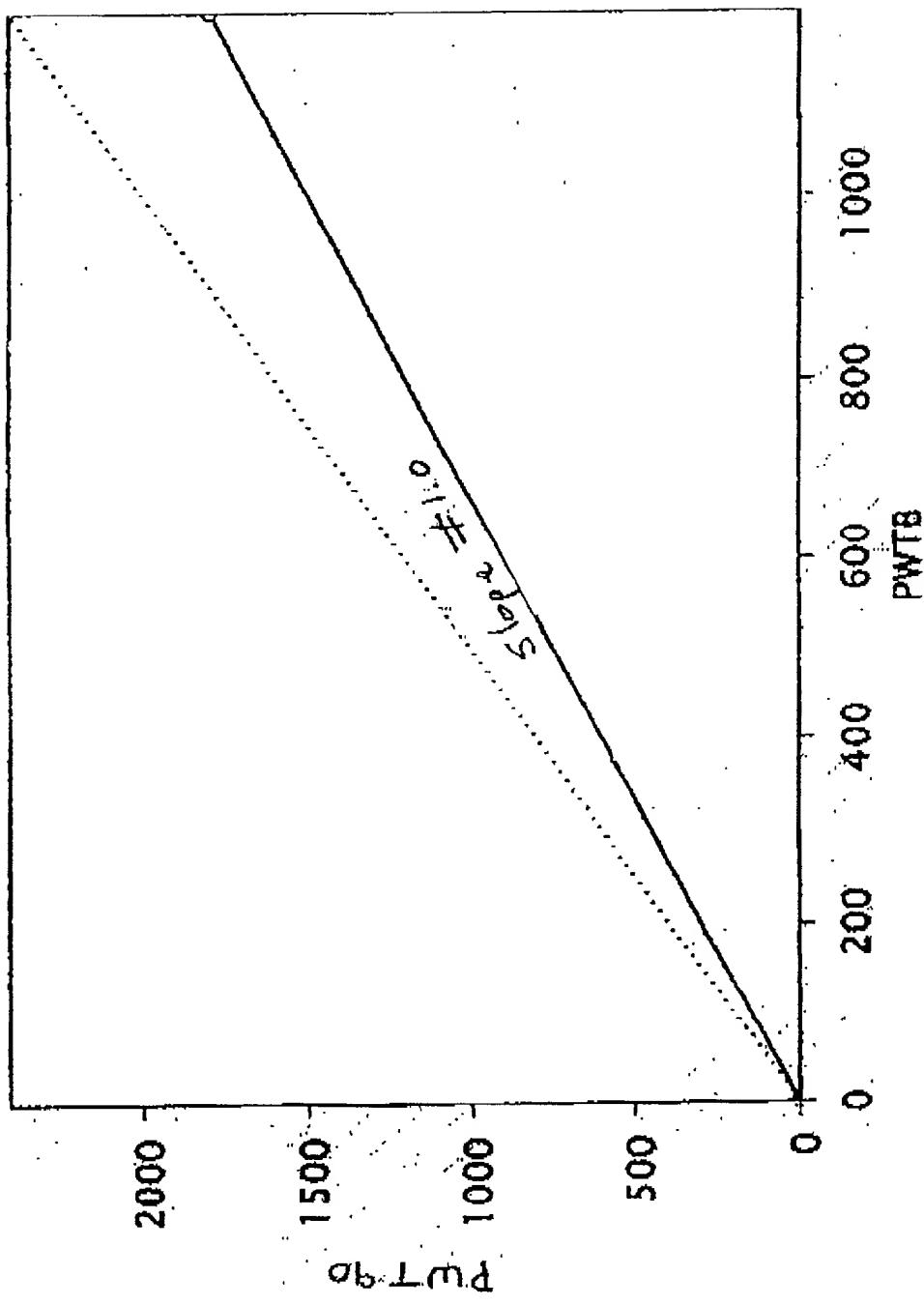


FIGURE 17

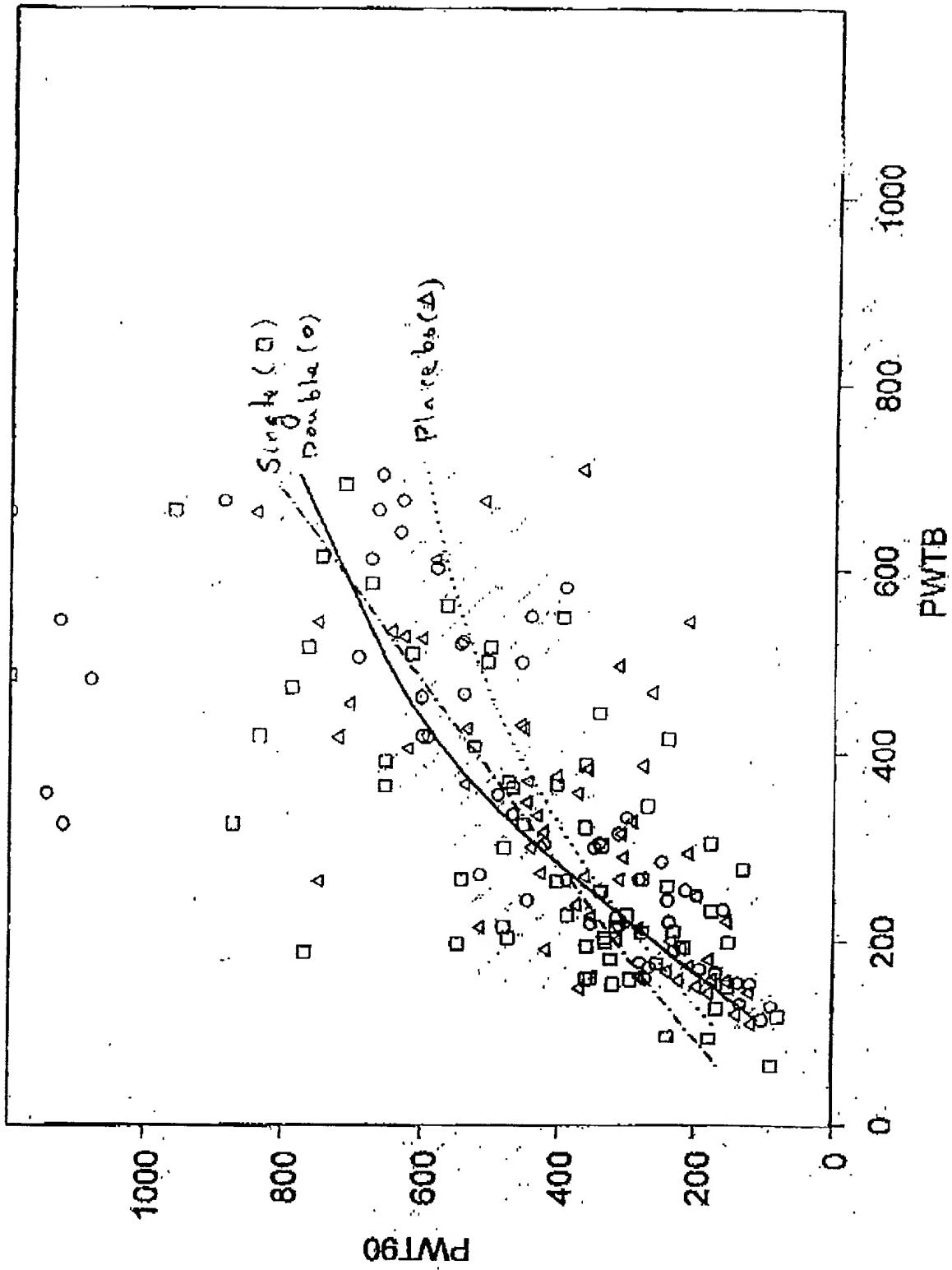


FIGURE 18

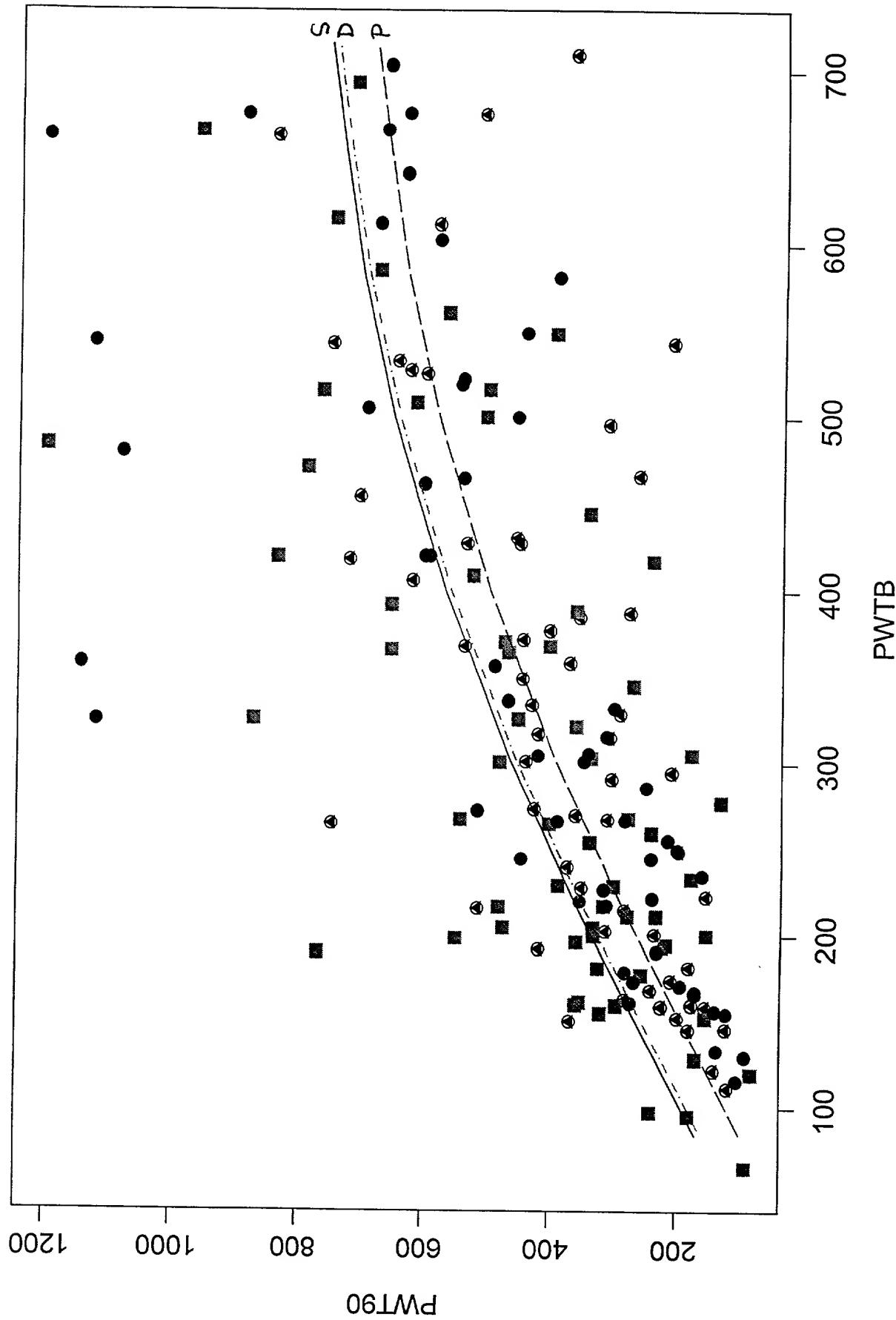


FIGURE 19

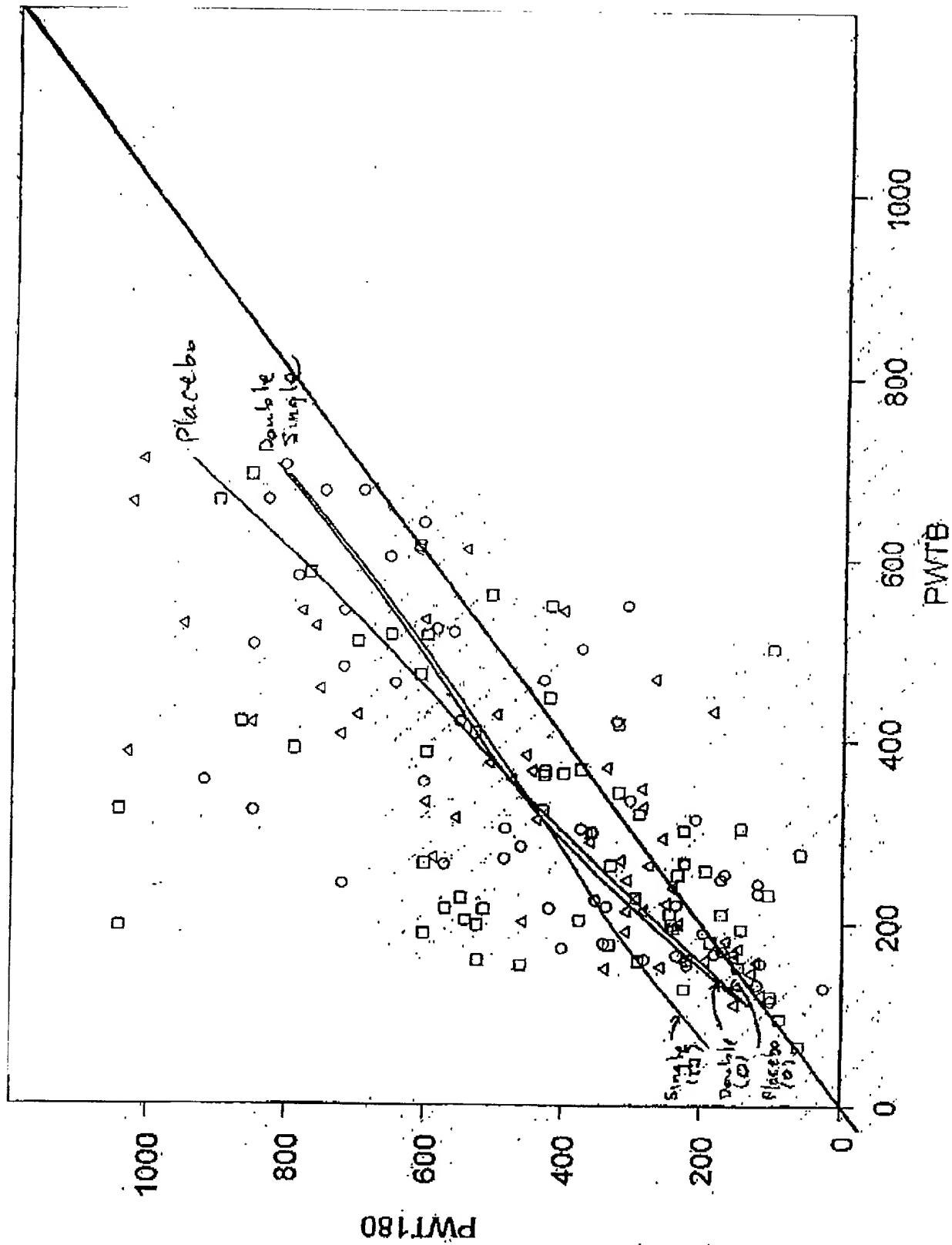


FIGURE 20

